

(19)



Europäisches Patentamt

European Patent Office

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(11)

EP 1 263 130 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
09.07.2003 Bulletin 2003/28

(51) Int Cl. 7: H03F 3/217, H03F 3/68

(43) Date of publication A2:
04.12.2002 Bulletin 2002/49

(21) Application number: 02253484.6

(22) Date of filing: 17.05.2002

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR

Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 17.05.2001 JP 2001147851

(71) Applicant: Pioneer Corporation
Meguro-ku, Tokyo (JP)

(72) Inventors:

- Honda, Jun, c/o Pioneer Tokorozawa Plant
Tokorozawa-city, Saitama (JP)
- Kawamoto, Tsutomu,
c/o Pioneer Tokorozawa Plant
Tokorozawa-city, Saitama (JP)

(74) Representative:

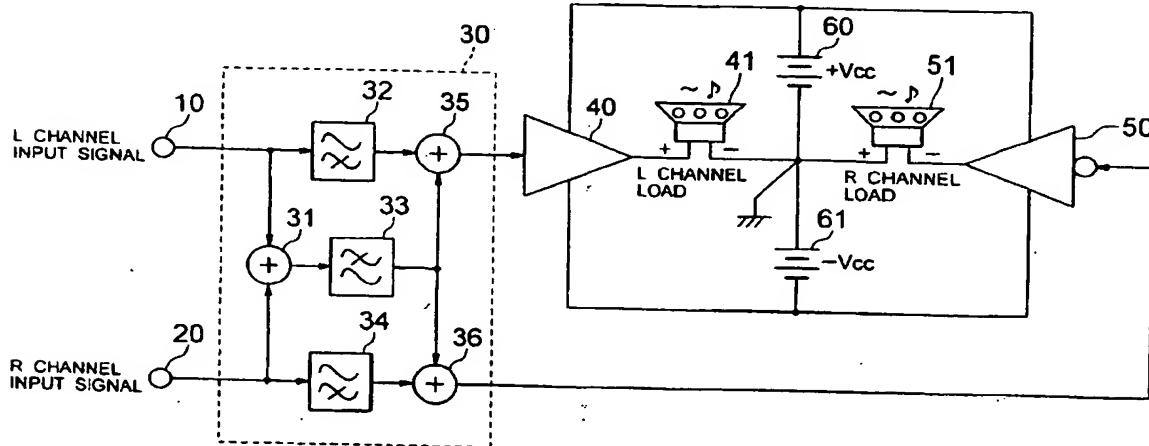
Luckhurst, Anthony Henry William
MARKS & CLERK,
57-60 Lincoln's Inn Fields
London WC2A 3LS (GB)

(54) D-class power amplifier with electric power regeneration function

(57) A D-class power amplifier of two channels in which an increase in power voltage due to a regenerative current is prevented and a high efficiency in utilization of electric power is attained. Two D-class power amplifying circuits (40, 50) included in the D-class power amplifier of the two channels are constructed by opposite phases. A preprocess is performed only to low fre-

quency components of input signals (31, 33) so that they have a substantially equal amplitude in the two channels, and the resultant low frequency components are supplied to the D-class power amplifying circuits (40, 50) respectively. The other ends of loads (41, 51) connected to the D-class power amplifying circuits (40, 50) are connected to a neutral potential point of the power voltage.

FIG. 2



**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 3484

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
 The members are as contained in the European Patent Office EDP file on
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